

The SOS-W Calibration Scheme

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The Satellite Observing System Wettzell (SOS-W) is the newly envisaged SLR System at the Wettzell site which is expected to reach the operational status within 2008. It is especially designed to permit 2 colour measurements at a repetition rate of 1 kHz. As calibration plays a vital role in terms of the fidelity of 2 colour measurements a special calibration scheme and optical setup was designed, which permits an interleaved calibration mode. This effort enables for minimizing as well as monitoring of cable bending effects on signal transit time, which is unique for bi-static SLR systems.